#### PLAN SYMBOLS MINNESOTA DEPARTMENT OF TRANSPORTATION well though the 4 JUNS GOVERNING SPECIFICATIONS **ANOKA COUNTY** THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION QUARTER LINE "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE INSTALLED SIXTEENTH LINE March 1985 A Comment 计划文文化 计自然线 共和口 医统治 2" BITUMINOUS OVERLAY, AGGREGATE SHOULDERING, BITUMINOUS WIDENING FOR RIGHT TURN LANES IN ACCORDANCE TO THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONSTRUCTION PLAN FOR \_ CONTROL DEVICES" (MNMUTCD), AND PART VI, "FIELD MANUAL FOR PROPERTY LINE CORPORATE OR CITY LIMITS \_ TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS." RETAINING WALL. C.R. 53 BETWEEN 500'S OF LILAC ST. CSAH 14 RAIL BOAD LOCATED ON... **INDEX** RAILROAD RIGHT OF WAY RIVER OR CREEK ..... SHEET NO. DESCRIPTION DRAINAGE DITCH. 11-19-53 CO. PROJ. NO. CHIVERT TITLE SHEET DROP INLET C.R. 53 STATEMENT OF ESTIMATED QUANTITIES GROSS LENGTH BRIDGES-LENGTH EXCEPTIONS-LENGTH TYPICAL SECTIONS CHAIN LINK FENCE. WOOD FENCE MISCELLANEOUS DETAILS STONE WALL OR FENCE. NET LENGTH CALCULATIONS FOR RIGHT TURN LANES LOW! AND 9 - 11 CONSTRUCTION PLAN PERMANENT MARKING TABULATION سيبييي TEMPORARY SIGNING, PERMANENT STRIPING, & PAVEMENT MESSAGES 13 - 15 CATTLE GUARD SIGNING & STRIPING DETAILS 126TH AVE NE 1-3-F F-FRAME C-CONCRETE' S-STONE T-TILE B-BRICK ST-STUCCO THIS PLAN CONTAINS 16 SHEETS RAILROAD CROSSING BELL . RAILROAD CROSSING GATE 55449 END C.P. 11-19-53 C.R. 53 STA. 89+08 GRAVEL PIT\_ SAND PIT BORROW PIT ROCK QUARRY BEGIN C.P. 11-19-53 **UTILITY SYMBOLS** C.R. 53 STA. 30+00 POWER POLE LINE TELEPHONE OR TELEGRAPH POLE LINE **DESIGN DESIGNATION** JOINT TELEPHONE & POWER ON POWER POLES ESAL<sub>20</sub> R VALUE 000 ON TELEPHONE POLES ANCHOR ... ADT(2010) =2100 Proj. ADT (2030) = 3440 STREET LIGHT Proj. HCADT (2030) = PEDESTAL (Cable Terminal) 000 GAS MAIN Soil Factor NA \_\_\_\_10 \_\_\_\_ TON DESIGN TELEPHONE CABLE IN CONDUIT -- 6----ELECTRIC CABLE IN CONDUIT MAJOR COLLECTOR **Functional Classification** No. of Traffic Lanes 2 No. of Parking Lanes 0 Design Speed 55 MPH N/A ELECTRIC MANHOLE BURIED TELEPHONE CABLE .....T-BUR -BURIED ELECTRIC CABLE P-8UR N/A ------T-AE-----Based on Stopping Sight Distance SEWER (Sanitary or Storm) 3.5' 2.0' Height of eye Height of object SEWER MANHOLE .... Design Speed not achieved at: **SCALES** PLAN PROJECT LOCATION PROFILE HORIZONTAL CITIES OF BLAINE & LINO LAKES ANOKA COUNTY VERTICAL MN/DOT TRANSPORTATION DISTRICT - METRO X-SECTIONS SECTIONS 7,12, 13, & 18 T HORIZONTAL TOWNSHIP 31 NORTH **RANGE 22 WEST** INDEX MAP I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. STATE PROJECT NO. **ANOKA COUNTY** TITLE SHEET STATE AID PROJECT NO. CITY PROJECT NO. HIGHWAY DEPT. ANOKA COUNTY REVISION BY CKD APPR 11-19-53 \_\_1\_\_ of \_\_16\_\_ Sheets LICENSE NO. 40416 COUNTY PROJECT NO. NAMEP:\12-01-00\CR\_53\_(South\_of\_CSAH14)\Pian\1 Title.dgn

201.507 MOBILIZATION 1, 10 MOPILIZATION 1, 10 SO YO 77 2104.516 REMOVE CONCRETE PAVEMENT (FULL DEPTH) 1, 10 SO YO 77 2104.517 SANING CONCRETE PAVEMENT (FULL DEPTH) 1, 10 SO YO 77 2104.517 SANING CONCRETE PAVEMENT (FULL DEPTH) 1, 10 LB FT 88 2104.523 SALVAGE SIGN TYPE C		STATEMENT OF ESTIM	ATED QUANTITIES							
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2104.505   REMOVE CONCRETE DRIVEWAY PAVEMENT   1,10   SQ YD   77   2104.511   SAWNING CONCRETE PAVEMENT (FULL DEPTH)   1,10   LIN FT   68   2104.523   SALVAGE SIGN TYPE C   EACH   44   2105.602   CONSTRUCT TURN LANE   6   EACH   2   2105.602   CONSTRUCT TURN LANE   6   EACH   2   221.501   AGGREGATE SHOULDERING CLASS 5   2   TON   269   222.501   MILL BITUMINOUS SURFACE (2 0")   1   SQ YD   28   223.501   MILL BITUMINOUS SURFACE (2 0")   1   SQ YD   28   223.501   MILL BITUMINOUS SURFACE (2 0")   1   SQ YD   28   223.501   TYPE SP 12.5 WEARING COURSE MIX (4.B)   5,7,10   TON   90   2360.501   TYPE SP 12.5 WEARING COURSE MIX (4.B)   5,7,10   TON   90   2360.502   TYPE SP 12.5 NON-WEAR COURSE MIX (4.B)   TON   30   2360.502   TYPE SP 12.5 NON-WEAR COURSE MIX (4.B)   TON   30   2361.507   SCONCRETE DRIVEWAY PAVEMENT   SQ YD   77   2540.602   NSTALL MAIL BOX SUPPORT   6   EACH   22   2563.601   TRAFFIC CONTROL   3,4,5,11   LIMP SUM   1   2564.503   CURNISH SIGN PANEL TYPE C   9   SQ FT   21.   2564.503   NSTALL MAIL BOX SUPPORT   6   EACH   22   2564.504   MISTALL MAIL BOX SUPPORT   6   EACH   22   2564.505   DELINEATOR, TYPE X-13   EACH   22   2565.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5   LIN FT   102   2562.500   4* SOLID LINE WHITE - EPOXY   5				LUMP SUM	1					
2104.511   SAWING CONCRETE PAVEMENT (FULL DEPTH)   1, 10			1 10	SO YD	77					
2014.023   SALVAGE SIGN TYPE C										
2105.602   CONSTRUCT TURN LANE										
2213.051			0	<del></del>						
2221.051			0	·· <del> </del> ···						
2232.501 MILL BITUMINOUS SURFACE (2.0°)  1 SQ YD  283.502  BITUMINOUS MATERIAL FOR TACK COAT  3360.501  TYPE SP 12.5 WEARING COURSE MIX (4,B)  370. TON  2830.501  TYPE SP 12.5 WEARING COURSE MIX (4,B)  380.502  TYPE SP 12.5 WEARING COURSE MIX (4,B)  5 TON  2830.502  TYPE SP 12.5 NON-WEAR COURSE MIX (4,B)  5 "CONCRETE DRIVEWAY PAVEMENT  5"CONCRETE DRIVEWAY PAVEMENT  5"CONCRETE DRIVEWAY PAVEMENT  5"CONCRETE DRIVEWAY PAVEMENT  6"CONTROL  3, 4, 5, 11 LILMP SUM  1"TON  1832.503  FURNISH SIGN PANEL TYPE C  9 SQ YD  7"TON  2840.503  FURNISH SIGN PANEL TYPE C  9 SQ FT  21.  2584.536  INSTALL SIGN PANEL TYPE C  9 EACH  4"SOLID LINE WHITE - EPOXY  5"CONCRETE DRIVEWAY PAVEMENT  NOTES  NOTES  1 LOCATION TO BE DETERMINED BY ENGINEER  4"SOLID LINE YELLOW-EPOXY  5 LIN FT  102.  2582.502  4"SOLID LINE YELLOW-EPOXY  5 LIN FT  102.  102.  103.  103.  104.  105.  105.  105.  106.  107.  107.  108.  1	2130.501	WATER								
BITUMINOUS MATERIAL FOR TACK COAT	2221.501	AGGREGATE SHOULDERING CLASS 5		<del> </del>	266					
280.501 TYPE SP 12.5 WEARING COURSE MIX (4,B) 5.7, 10 TON 98 2360.501 TYPE SP 12.5 WEARING COURSE MIX (4,B) TON 238 2360.502 TYPE SP 12.5 NOH-WEAR COURSE MIX (4,B) TON 18 2531.507 6° CONCRETE DRIVEWAY PAVEMENT SQ YD 77 2540.602 NISTALL MAIL BOX SUPPORT 6 EACH 22 2563.601 TRAFFIC CONTROL 3, 4, 5, 11 LUMP SUM 1 2564.533 FURNISH SIGN PANEL TYPE C 9 SQ FT 21. 2564.533 FURNISH SIGN PANEL TYPE C 9 EACH 4 2564.536 NISTALL SIGN PANEL TYPE C 9 EACH 4 2564.536 NISTALL SIGN PANEL TYPE C 9 EACH 4 2564.550 DELINEATOR, TYPE X4-13 EACH 22 2564.550 DELINEATOR, TYPE X4-13 EACH 22 2562.502 4° SOLID LINE WHITE - EPOXY 5 LIN FT 122 2562.502 4° SOLID LINE WHITE - EPOXY 5 LIN FT 122 2562.502 4° SOLID LINE WHITE - EPOXY 5 LIN FT 122 2562.502 4° SOLID LINE YELLOW - EPOXY 5 LIN FT 122 2562.502 4° SOLID LINE YELLOW - EPOXY 5 LIN FT 122 2562.502 4° SOLID LINE YELLOW - EPOXY 5 LIN FT 122 2562.502 4° SOLID LINE YELLOW - EPOXY 5 LIN FT 122 2562.503 ANTERIAL FOR FINISHED 1.5 GRAVEL SHOULDER AND GRAVEL ENTRANCES. 2 MATERIAL FOR FINISHED 1.5 GRAVEL SHOULDER AND GRAVEL ENTRANCES. 3 CL YELLOW SKIPS TO BE APPLIED AS SOON AS POSSIBLE ON WEAR COURSE ( MUST BE APPLIED BEFORE CONTRACTOR LEAVES FOR DA' 4 DO NOT PASS, PASS WITH CARE, NO CENTER STRIPE, AND BUMP/BUMP AHEAD SIGNS - TO BE INPLACE DURING PAVING OPERATIONS. PERMANNENT MARKINGS TO BE IN PLACE WITHIN 12 HOURS OF FINAL MAINLINE PAVING. 6 MAILBOXES TO BE INSTALLED AT THE EXISTING MAILBOX LOCATION. MAILBOX MATERIALS, TO CONSTRUCT—COMMON EX., SELECT GRANULAR, AGG. BASE CL-5, TOPSOIL, MOTOR GRADER HRS., DOZER HRS., PNELMATIC-TIRE ROLLED HRS., EROSION CONTROL BLANKET (TYPE 3). SEEDING, SEED TYPE 3, AND SILT FE MACHINE SLICED. ESTIMATED CALCULATIONS AND QUANTITIES FOR THESE ITEMS CAN BE FOUND IN PLAN DETAILS. 9 FURNISH AND INSTALL SIGN PANEL TYPE C., MOUNTING POSTS ARE INCIDENTAL TO TIEM. 10 CONTRACTOR RESPONDED TO THE MININES FOR THESE ITEMS CAN BE FOUND IN PLAN DETAILS. 11 ALL TRAFFIC CONTROL METHODS SHALL CONFORM TO THE MININESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.	2232.501	MILL BITUMINOUS SURFACE (2.0")	1 1	SQ YD	280					
179E SP 12.5 WEARING COURSE MIX (4,E)	2357.502	BITUMINOUS MATERIAL FOR TACK COAT		GALLON	1099					
170   170   170   170   170   180   170   180   170   180   170   180   170   180   170   180   170   180   170   180   170   180   170   170   180   170   180   170   180   170   180   170   170   180   170   170   180   170   170   180   170   170   180   170   170   180   170   170   180   170   170   180   170   170   170   180   170   170   170   180   170   170   180   170   170   170   170   180   170   170   170   170   170   170   170   170   170   170   170   170   180   170   170   170   180   170   170   170   170   170   170   170   180   170	2360.501	TYPE SP 12.5 WEARING COURSE MIX (4,B)	5, 7, 10	TON	90					
2531.507   6' CONCRETE DRIVEWAY PAVEMENT   SQ YD   77  2540.602   INSTALL MAIL BOX SUPPORT   6   EACH   27  2563.601   TRAFFIC CONTROL   3, 4, 5, 11   LUMP SUM   1  2563.501   TRAFFIC CONTROL   9   SQ FT   21.  2563.503   FURNISH SIGN PANEL TYPE C   9   EACH   4  2564.536   INSTALL SIGN PANEL TYPE C   9   EACH   4  2564.536   INSTALL SIGN PANEL TYPE C   9   EACH   4  2564.550   DELINEATOR, TYPE X4-13   EACH   2  2564.550   DELINEATOR, TYPE X4-13   EACH   2  2581.501   REMOVABLE PREFORM PLASTIC MARKINGS   3   LIN FT   22  2582.502   4" SOLID LINE WHITE - EPOXY   5   LIN FT   120  2582.502   4" SOLID LINE WHITE - EPOXY   5   LIN FT   120  2582.502   4" SOLID LINE WHITE - EPOXY   5   LIN FT   120  2582.502   4" BROKEN LINE YELLOW-EPOXY   5   LIN FT   120  NOTES  1   LOCATION TO BE DETERMINED BY ENGINEER   NOTES  2   MATERIAL FOR FINISHED 1.5" GRAVEL SHOULDER AND GRAVEL ENTRANCES. 2   CL YELLOW SKIPS TO BE APPLIED AS SOON AS POSSIBLE ON WEAR COURSE (MUST BE APPLIED BEFORE CONTRACTOR LEAVES FOR DAY ADD NOT PASS, PASS WITH CARE, NO CENTER STRIPE, AND BUMP/BUMP AHEAD SIGNS - TO BE INPLACE DURING PAVING OPERATIONS. 5   PERMANENT MARKINGS TO BE IN PLACE WITHIN 72 HOURS OF FINAL MAINLINE PAVING. 6   MAILBOXES TO BE INSTALLED AT THE EXISTING MAILBOX (LOCATION. MAILBOX MATERIALS INCIDENTAL TO INSTALLATION. 7   TO BE DONE IN A SEPARATE OPERATION FROM THE MAINLINE PAVING. 8   INCLUDES TIME AND MATERIALS TO CONSTRUCT-COMMON EX, SELECT GRANULAR, AGG, BASE CL-5, TOPSOIL, MOTOR GRADER HRS., DOZER HRS., PICUMATIC-TIRE ROLLER HRS., EROSION CONTROL BLANKET (TYPE 3), SEEDING, SEED TYPE 350, FERT. TYPE 3, AND SILT FE MACHINE SLICED. ESTIMATED CALCULATIONS AND QUANTITIES FOR THESE ITEMS CAN BE FOUND IN PLAN DETAILS. 9   FURNISH AND INSTALLED AT THE EXESTING PER A PROLING THE SET ITEMS CAN BE FOUND IN PLAN DETAILS. 10   CONTRACTOR RESPONSIBLE TO CONTROL TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.  2130.501   WATER   AGGREGATE SHOULDERING CLASS 5	2360.501	TYPE SP 12.5 WEARING COURSE MIX (4,E)		TON	2302					
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2636.601   TRAFFIC CONTROL   3, 4, 5, 11   LUMP SUM   1	2540.602	O GONOTE E STATE OF THE STATE O								
## SQ FT   21.    2564.533   FURNISH SIGN PANEL TYPE C   9   SQ FT   21.   2564.536   INSTALL SIGN PANEL TYPE C   9   EACH   4.   2564.536   INSTALL SIGN PANEL TYPE C   9   EACH   4.   2564.550   DELINEATOR, TYPE X4-13   EACH   2.   2581.501   REMOVABLE PREFORM PLASTIC MARKINGS   3   LIN FT   23.   2582.502   4" SOLID LINE WHITE - EPOXY   5   LIN FT   120.   2582.502   4" SOLID LINE WHITE - EPOXY   5   LIN FT   120.   2582.502   4" BROKEN LINE YELLOW - EPOXY   5   LIN FT   109.   2582.502   4" BROKEN LINE YELLOW-EPOXY   5   LIN FT   109.   2582.502   4" BROKEN LINE YELLOW-EPOXY   5   LIN FT   109.   2582.502   4" BROKEN LINE YELLOW-EPOXY   5   LIN FT   109.   3   LOCATION TO BE DETERMINED BY ENGINEER   NOTES     4   MATERIAL FOR FINISHED 1.5" GRAVEL SHOULDER AND GRAVEL ENTRANCES.   3   CL YELLOW SKIPS TO BE APPLIED AS SOON AS POSSIBLE ON WEAR COURSE (MUST BE APPLIED BEFORE CONTRACTOR LEAVES FOR DA'   4   DO NOT PASS, PASS WITH CARE, NO CENTER STRIPE, AND BUMP/BUMP AHEAD SIGNS - TO BE INPLACE DURING PAVING OPERATIONS.   5   PERMANENT MARKINGS TO BE IN PLACE WITHIN 72 HOURS OF FINAL MAINLINE PAVING.   6   MAILBOXES TO BE INSTALLED AT THE EXISTING MAILBOX LOCATION. MAILBOX MATERIALS INCIDENTAL TO INSTALLATION.   7   TO BE DONE IN A SEPARATE OPERATION FROM THE MAINLINE PAVING.   8   INCLUDES TIME AND MATERIALS TO CONSTRUCT-COMMON EX, SELECT GRANULAR, AGG. BASE CL-5, TOPSOIL, MOTOR GRADER HRS., DOZER HRS., PNEUMATIC-TIRE ROLLER HRS., EROSION CONTROL BLANKET (TYPE 3), SEEDING, SEED TYPE 350, FERT. TYPE 3, AND SILT FE MACHINE SLICED. ESTIMATED CALCULATIONS AND QUANTITIES FOR THESE ITEMS CAN BE FOUND IN PLAN DETAILS.   9   FURNISH AND INSTALL SIGN PANEL TYPE C, MOUNTING POSTS ARE INCIDENTAL TO ITEM.   10   CONTRACTOR RESPONSIBLE TO CONTACT OWNER 48 HOURS BEFORE STARTING OPERATION.   11   ALL TRAFFIC CONTROL METHODS SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.    BASIS OF PLANNED QUANTITIES   TOM-SALTIME START THESE ITEMS CAN BE FOUND IN PLAN DETAILS. CUYDS * 1.8 = TONS   TOM-SALTIME START T		TRAFFIC CONTROL	LUMP SUM	1						
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2684.550 DELINEATOR, TYPE X4-13  2684.501 REMOVABLE PREFORM PLASTIC MARKINGS  3 LIN FT  23  2682.502 4* SOLID LINE WHITE - EPOXY  5 LIN FT  12C  2682.502 4* SOLID LINE YELLOW - EPOXY  5 LIN FT  10C  2682.502 4* BROKEN LINE YELLOW - EPOXY  5 LIN FT  10C  NOTES  1 LOCATION TO BE DETERMINED BY ENGINEER. 2 MATERIAL FOR FINISHED 1.5* GRAVEL SHOULDER AND GRAVEL ENTRANCES. 3 CL YELLOW SKIPS TO BE APPLIED AS SOON AS POSSIBLE ON WEAR COURSE (MUST BE APPLIED BEFORE CONTRACTOR LEAVES FOR DA' 4 DO NOT PASS, PASS WITH CARE, NO CENTER STRIPE, AND BUMP/BUMP AHEAD SIGNS - TO BE INPLACE DURING PAVING OPERATIONS. 5 PERMANENT MARKINGS TO BE IN PLACE WITHIN 72 HOURS OF FINAL MAINLINE PAVING. 6 MAILBOXES TO BE INSTALLED AT THE EXISTING MAILBOX LOCATION. MAILBOX MATERIALS INCIDENTAL TO INSTALLATION. 7 TO BE DONE IN A SEPARATE OPERATION FROM THE MAINLINE PAVING. 8 INCLUDES TIME AND MATERIALS TO CONSTRUCT—COMMON EX, SELECT GRANULAR, AGG. BASE CL-5, TOPSOIL, MOTOR GRADER HRS., DOZER HRS., PRENUMATIC-TIRE ROLLER HRS., ERGSION CONTROL BLANKET (TYPE 3), SEEDING, SEED TYPE 350, FERT. TYPE 3, AND SILT FE MACHINE SLICED. ESTIMATED CALCULATIONS AND QUANTITIES FOR THESE ITEMS CAN BE FOUND IN PLAN DETAILS. 9 FURNISH AND INSTALL SIGN PANEL TYPE C, MOUNTING POSTS ARE INCIDENTAL TO ITEM. 10 CONTRACTOR RESPONSIBLE TO CONTACT OWNER 48 HOURS BEFORE STARTING OPERATION. 11 ALL TRAFFIC CONTROL METHODS SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.  2130.501 WATER 2215.501 AGGREGATE SHOULDERING CLASS 5			9	EACH	4					
2581.501 REMOVABLE PREFORM PLASTIC MARKINGS  2582.502 4" SOLID LINE WHITE - EPOXY  5 LIN FT 12C  2582.502 4" SOLID LINE WHITE - EPOXY  5 LIN FT 97  2582.502 4" BROKEN LINE YELLOW - EPOXY  5 LIN FT 97  2582.502 4" BROKEN LINE YELLOW-EPOXY  5 LIN FT 10C  NOTES  1 LOCATION TO BE DETERMINED BY ENGINEER. 2 MATERIAL FOR FINISHED 1.5' GRAVEL SHOULDER AND GRAVEL ENTRANCES. 3 CL YELLOW SKIPS TO BE APPLIED AS SOON AS POSSIBLE ON WEAR COURSE (MUST BE APPLIED BEFORE CONTRACTOR LEAVES FOR DA' 4 DO NOT PASS, PASS WITH CARE, NO CENTER STRIPE, AND BUMP/BUMP AHEAD SIGNS - TO BE INPLACE DURING PAVING OPERATIONS. 5 PERMANENT MARKINGS TO BE IN PLACE WITHIN 72 HOURS OF FINAL MAINLINE PAVING. 6 MAILBOXES TO BE INSTALLED AT THE EXISTING MAILBOX LOCATION. MAILBOX MATERIALS INCIDENTAL TO INSTALLATION. 7 TO BE DONE IN A SEPARATE OPERATION FROM THE MAINLINE PAVING. 8 INCLUDES TIME AND MATERIALS TO CONSTRUCT—COMMON EX, SELECT GRANULAR, AGG. BASE CL-5, TOPSOIL, MOTOR GRADER HRS., DOZER HRS., PNEUMATIC-TIRE ROLLER HRS., EROSION CONTROL BLANKET (TYPE 3), SEEDING, SEED TYPE 350, FERT. TYPE 3, AND SILT FE MACHINE SLICED. ESTIMATED CALCULATIONS AND QUANTITIES FOR THESE ITEMS CAN BE FOUND IN PLAN DETAILS. 9 FURNISH AND INSTALL SIGN PANEL TYPE C, MOUNTING POSTS ARE INCIDENTAL TO ITEM. 10 CONTRACTOR RESPONSIBLE TO CONTACT OWNER 48 HOURS REIODENTAL TO ITEM. 11 ALL TRAFFIC CONTROL METHODS SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.  BASIS OF PLANNED QUANTITIES  2130.501 WATER 2215.501 WATER AGGREGATE SHOULDERING CLASS 5					2					
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2360.501 TYPE SP 12.5 WEARING COURSE (SPWEB440B) (4,B) 115 LBS/SQYD/IN THICKNESS		• • • • • • • • • • • • • • • • • • • •								
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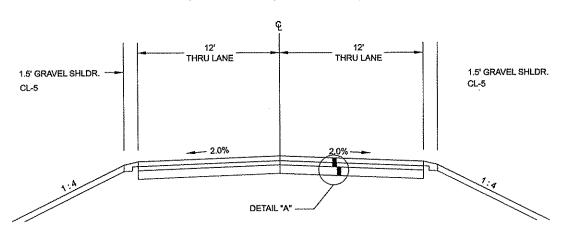
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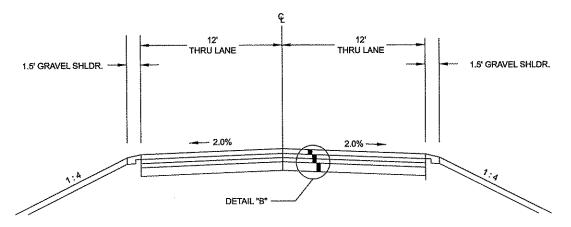
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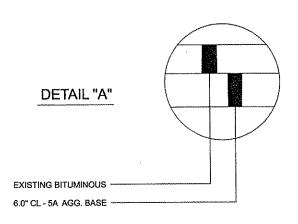
STA. 30+00 - 31+20, 36+00 - 44+60, 50+00 - 51+50, 57+00 - 84+28

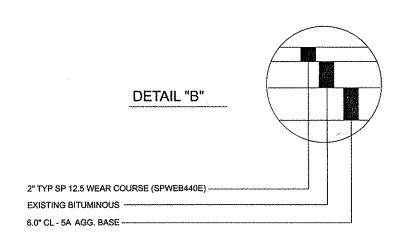


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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

THE STATE OF MINNESOTA
PRINT NAME: CHARLES CADENHEAD
SIGNATURE: J. LICENSE NO. 40416

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ANOKA COUNTY HIGHWAY DEPT.

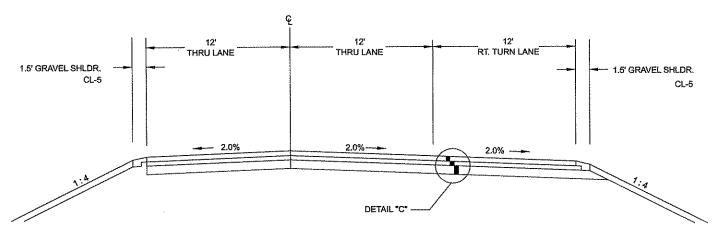
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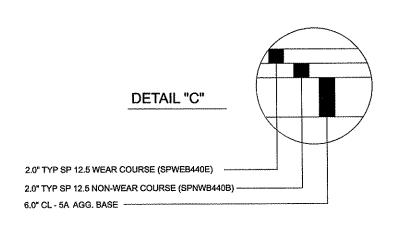
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Sheet 3 of 16 Sheets

# EXISTING TYPICAL SECTION (RT. TURN LANE - LNB)

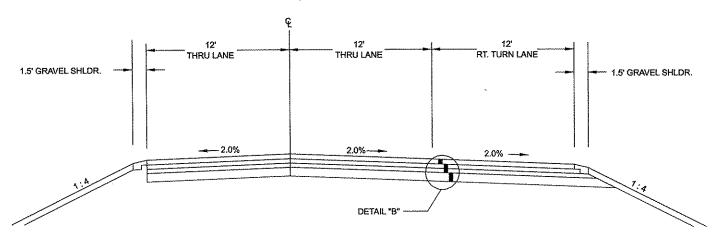
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# PROPOSED TYPICAL SECTION (RT. TURN LANE - LNB)

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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

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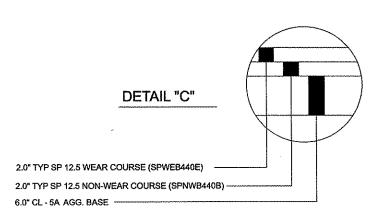
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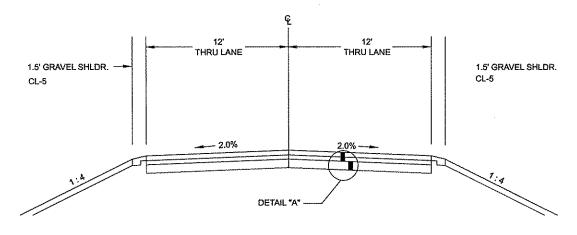
TYPICAL SECTION

Sheet 4 of 16 Sheets



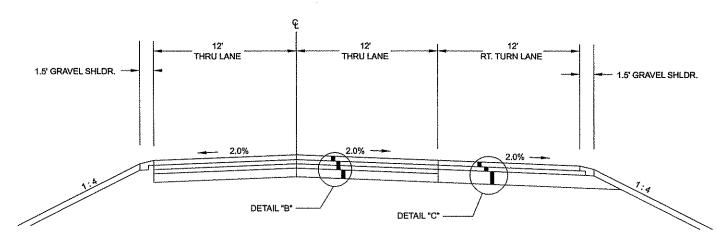
# **EXISTING TYPICAL SECTION**

STA. 31+20 - 39+80, 84+28 - 89+08



# PROPOSED TYPICAL SECTION (RT. TURN LANE @ CSAH 14 & LILAC ST.)

STA. 31+20 - 39+80, 84+28 - 89+08



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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: CHORLES CADENHEAD
SIGNATURE: 12/2 LICENSE NO. 40418

 DRAWN BY
 SRK
 DATE
 2/24/2011

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ANOKA COUNTY HIGHWAY DEPT. STATE PROJECT NO.

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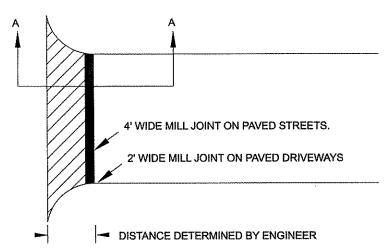
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TYPICAL SECTION

Sheet <u>5</u> of <u>16</u> Sheets

## PAVED DRIVEWAYS / PAVED STREETS

# JOINT DETAILS

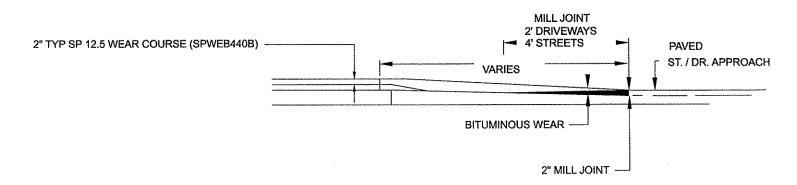


DRIVEWAYS BUMPED OUT TO BE PAVED WITH MAINLINE, PAID AS MAINLINE.

DRIVEWAYS PAVED IN DIFFERENT OPERATION FROM MAIN LINE PAVING PAID AS ST. APPROACH.

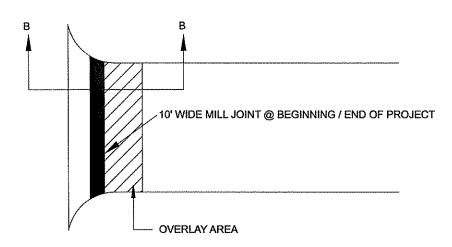
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# JOINT DETAILS A - A

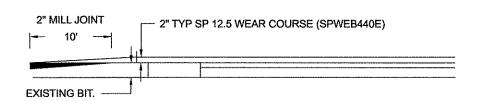


# MAINLINE

# JOINT DETAILS



### JOINT DETAILS B - B



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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PAID AS STREET APPROACH

ROFESSIONAL ENGINEER UNDER THE LAWS OF
SHINNESOTA.
CHARLES CADENHEAD
LICENSE NO. 40416

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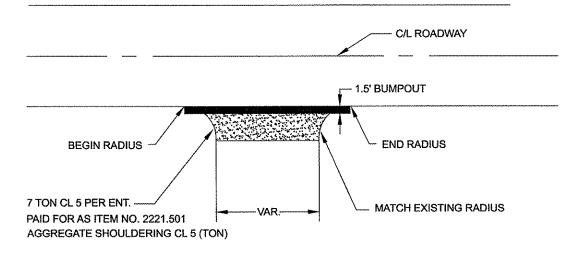
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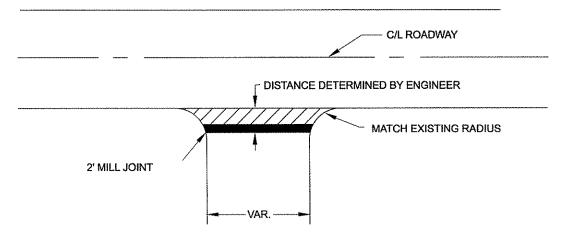
MISCELLANEOUS DETAILS

Sheet <u>6</u> of <u>16</u> Sheets

## **GRAVEL DRIVEWAYS AND FEILD ENTRANCES**



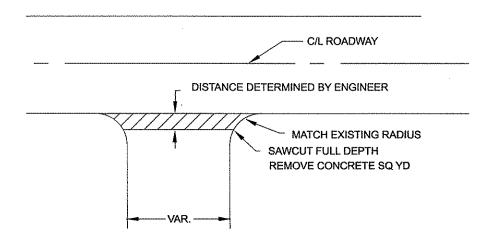
# PAVED DRIVEWAYS



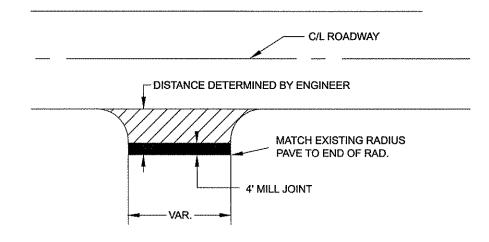
DRIVEWAYS BUMPED OUT AND PAVED WITH MAINLINE PAID AS MAINLINE.

DRIVEWAYS PAVED IN DIFFERENT OPERATION FROM MAIN LINE PAVING PAID AS ST./DR. APPROACH.

# **CONCRETE DRIVEWAYS**



#### PAVED STREET APPROACHES



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HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERFUSION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

THE STATE OF MINNESOTA.

PRINT NAME: CHARLES CADENHEAD

SIGNATURE: LICENSE NO. 40416



ANOKA COUNTY HIGHWAY DEPT. STATE PROJECT NO.

STATE AID PROJECT NO.

CITY PROJECT NO.

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MISCELLANEOUS DETAILS

Sheet <u>7</u> of <u>16</u> Sheets

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CONSTRUCT TURN LAN	E (LILAC ST.)		Ţ			:					
	STATION	STATION	LENGTH	WIDTH	DEPTH	CU YDS	SQ YDS	TONS	ACRE	LBS	HOURS
COMMON EX	31+80	36+00	420.0	6.3	0.5	48.8					
SELECT GRANULAR (CV)	31+80	36+00	420.0	12	1.0	192.3					
CLASS 5	31+80	36+00	420.0	12	0.5	93.3					
TOPSOIL	31+80	36+00	420.0					19.6			
MOTOR GRADER TIME	31+80	36+00	420.0								2.0
PNEUMATIC TIRE ROLLER TIME	31+80	36+00	420.0								2.0
DOZER TIME	31+80	36+00	420.0								2.0
SEEDING (ACRE)	31+80	36+00	420.0						0.09		
SEED MIXTURE 350 (LBS)	31+80	36+00	420.0	***************************************						7.6	
EROSION CONTROL BLANKET	31+80	36+00	420.0				426.7				
FERTILIZER TYPE 3 (LBS)	31+80	36+00	420.0							31.5	
SILT FENCE	31+80	36+00	465.0								
CONSTRUCT TURN LAN	E (CSAH 14)										
CONSTRUCT TORRELAR	L (OOAII 14)										
	STATION	STATION	LENGTH	WIDTH	DEPTH	CU YDS					HOURS
COMMON EX	84+28	89+08	480.0	16.6	0.5	147.5					
SELECT GRANULAR (CV)	84+28	89+08	480.0	12	3.5	753.1					
CLASS 5	84+28	89+08	480.0	12	0.5	106.7					
TOPSOIL	84+28	89+08	480.0					19.6			
MOTOR GRADER TIME	84+28	89+08	480.0								2.0
PNEUMATIC TIRE ROLLER TIME	84+28	89+08	480.0								2.0
DOZER TIME	84+28	89+08	480.0								2.0
SEEDING (ACRE)	84+28	89+08	480.0						0.09		
SEED MIXTURE 350 (LBS)	84+28	89+08	480.0							7.6	·
EROSION CONTROL BLANKET	84+28	89+08	480.0				426.7				
FERTILIZER TYPE 3 (LBS)	84+28	89+08	480.0							31.5	
SILT FENCE	84+28	89+08	525.0								
AVG. DEPTH ESTIMATES				E MAT SHOUL	SED DI AND DITCI	4 ROTTOM ELEV	ATIONS				
AVG. DEF IN ESTIMATES	CSAH 14 RIGHT T		ANEA OSING EDG	I MAI, SHOOLE	T AND DITO		SHT TURN LANE		-		
STA	EM	SH PI	воттом		STA	EM	SH PI	BOTTOM			
84+50	899.56	899.28	895.29		31+80	905.34	905.19	903.56			
85+50	899.44	899.19	895.66		32+00	905.18	905.03	904.13			
86+50	899.32	899.10	895.27		33+00	904.93	904.93	903.73			
87+50	899.37	899.05	895.34		34+00	904.89	904.76	902.88			
88+50	899.41	899.01	895.40		35+00	904.22	903.92	902.61			
AVG.	899.42	899.13	895.39		AVG.	904.91	904.77	903.38			
<del> </del>											
AVG DEPTH = 4.03'					AVG DEPTH = 1.53'						
minus 0.5' = 3.53'				1	minus 0.5' = 1.03'						

		1				
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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME
OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY
LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF
THE STATE OF MINNESOTA.
PRINT NAME: PTARLES CADENHEAD
SIGNATURE: LICENSE NO. 40416

DRAWN BY SRK DATE 2/24/2011

DESIGN BY SRK DATE 2/24/2011

CHECKED BY JO DATE

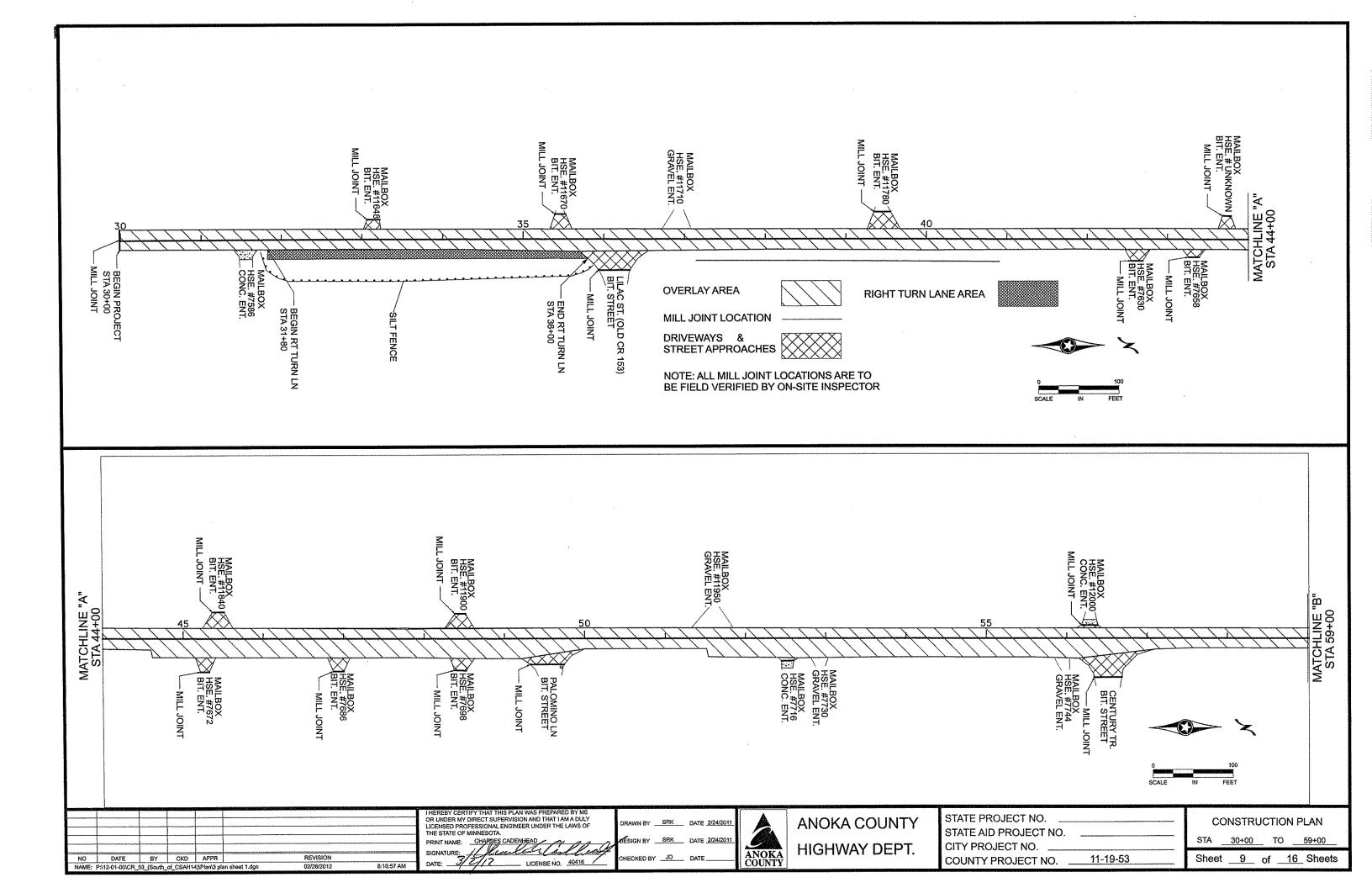


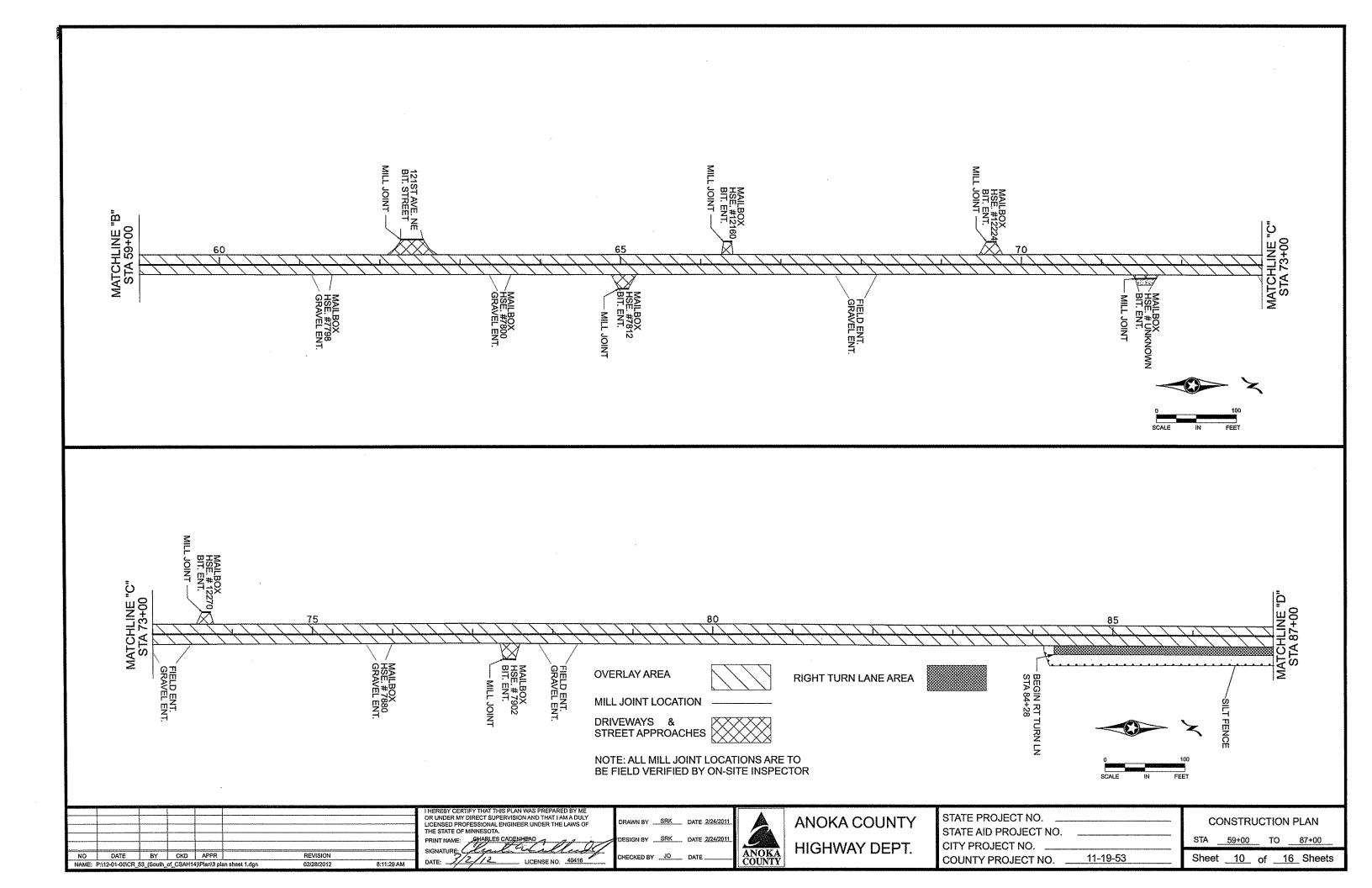
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STATE PROJECT NO.							
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CITY PROJECT NO.							
COUNTY PROJECT NO.	11-19-53						

CALCULATIONS FOR RIGHT TURN LANES

Sheet 8 of 16 Sheets





		:		*
e e e e e e e e e e e e e e e e e e e	OVERLAY AREA	m resident	RIGHT TURN LANE AREA	
	MILL JOINT LOCAT			
	DRIVEWAYS & STREET APPROAG	CHES		
	NOTE: ALL MILL JO BE FIELD VERIFIE	DINT LOCATIONS ARE D BY ON-SITE INSPEC	TO CTOR	
MILL JOINT STA 89+08 SILT FENCE STA 89+08 SILT FENCE	Q SCALE IN	100 FEET		

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NAME: P.1/2-01-00/CR\_53\_(South\_of\_CSAH14)/Plsn\3 plan sheet 1.dgn 02/28/2012 8:11.50 AM C

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

THE STATE OF MINNESOTA.

PRINT NAME: OHABLES CADENHEAD

SIGNATURE: Julian License NO. 40418



ANOKA COUNTY HIGHWAY DEPT. STATE PROJECT NO.
STATE AID PROJECT NO.
CITY PROJECT NO.
COUNTY PROJECT NO.
11-19-53

CONSTRUCTION PLAN

STA <u>87+00</u> TO <u>89+08</u>

Sheet <u>11</u> of <u>16</u> Sheets

# PERMANENT PAVEMENT MARKING PLAN

**NOTES AND GUIDELINES** 

#### GENERAL INFORMATION:

THE ENGINEER'S INVOLVEMENT IN THE APPLICATION OF THE MATERIAL SHALL BE LIMITED TO FIELD CONSULTATION AND INSPECTION. ANOKA COUNTY HIGHWAY DEPARTMENT WILL PLACE NECESSARY "SPOTTING" AT APPROPRIATE POINTS TO PROVIDE HORIZONTAL CONTROL FOR STRIPING AND TO DETERMINE NECESSARY STARTING AND CUTOFF POINTS, LONGITUDINAL JOINTS, PAVEMENT EDGES AND EXISTING MARKINGS MAY SERVE AS HORIZONTAL CONTROL WHEN SO DIRECTED.

EDGE LINES AND LANE LINES ARE TO BE BROKEN ONLY AT INTERSECTIONS WITH PUBLIC ROADS AND AT PRIVATE ENTRANCES IF THEY ARE CONTROLLED BY A YIELD SIGN, STOP SIGN OR TRAFFIC SIGNAL. THE BREAK POINT IS TO BE AT THE START OF THE RADIUS FOR THE INTERSECTION OR AT MARKED STOP LINES OR CROSSWALKS.

A TOLERANCE OF  $\frac{1}{4}$  INCH UNDER OR  $\frac{1}{4}$  INCH OVER THE SPECIFIED WIDTH WILL BE ALLOWED FOR STRIPING PROVIDED THE VARIATION IS GRADUAL AND DOES NOT DETRACT FROM THE GENERAL APPEARANCE. BROKEN LINE SEGMENTS MAY VARY UP TO ONE-HALF FOOT FROM THE SPECIFIED LENGTHS PROVIDED THE OVER AND UNDER VARIATIONS ARE REASONABLY COMPENSATORY. ALIGNMENT DEVIATIONS FROM THE CONTROL GUIDE SHALL NOT EXCEED 1 INCH. MATERIAL SHALL NOT BE APPLIED OVER LONGITUDINAL JOINTS, ESTABLISHMENT OF APPLICATION TOLERANCES SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLY AS CLOSELY AS PRACTICABLE WITH THE PLANNED DIMENSIONS.

#### EPOXY:

THE ROAD SURFACE SHALL BE CLEANED AT THE DIRECTION OF THE ENGINEER JUST PRIOR TO APPLICATION. PAVEMENT CLEANING SHALL CONSIST OF AT LEAST BRUSHING WITH A ROTARY BROOM (NON-METALLIC) OR AS RECOMMENDED BY THE MATERIAL MANUFACTURER AND ACCEPTABLE TO THE ENGINEER. NEW PORTLAND CEMENT CONCRETE SURFACES SHALL BE SANDBLAST CLEANED TO REMOVE ANY SURFACE TREATMENT AND/OR LAITANCE ON LOW SPEED (SPEED LIMIT 35 MPH OR LESS) URBAN PORTLAND CEMENT CONCRETE ROADWAYS. SANDBLAST CLEANING SHALL BE USED FOR ALL EPOXY PAVEMENT MARKINGS.

THE EPOXY MARKING APPLICATION SHALL IMMEDIATELY FOLLOW THE PAVEMENT CLEANING. GLASS BEANS SHALL BE APPLIED IMMEDIATELY AFTER APPLICATION OF THE EPOXY RESIN LINE TO PROVIDE AN IMMEDIATE NO-TRACK SYSTEM.

AN EPOLY RESIN LINE 4" WIDE AND 15 MILL THICKNESS (WET), REQUIRES AN APPLICATION RATE OF ONE (1) GALLON OF COMPONENTS FOR 320 FEET OF LINE. GLASS BEADS SHALL BE APPLIED AT A POUND PER GALLON RATE SUFFICIENT TO ACHIEVE AN ACCEPTABLE NO-TRACK SYSTEM.

OPERATIONS SHALL BE CONDUCTED ONLY WHEN THE ROAD PAVEMENT SURFACE TEMPERATURES ARE 50 DEGREES FAHRENHEIT OR GREATER.

PERMANENT PAVEMENT MARKINGS SHALL NOT BE PLACED OVER TEMPORARY TAPE MARKINGS.

#### PREFORMED THERMOPLASTIC:

THE PREFORMED THERMOPLASTIC MARKINGS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS ON CLEAN AND DRY SURFACES. SEE SPECIAL PROVISIONS FOR PREFORMED THERMOPLASTIC MARKING SPECIFICATIONS.

#### PAINT:

AT THE TIME OF APPLYING THE MARKING MATERIAL, THE APPLICATION AREA SHALL BE FREE OF CONTAMINATION. THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE PRIOR TO THE LINE APPLICATION IN A MANNER AND TO THE EXTENT REQUIRED BY THE ENGINEER.

GLASS BEADS SHALL BE APPLIED IMMEDIATELY AFTER APPLICATION OF THE PAINT LINE.

EXCEPT WHEN USED AS A TEMPORARY MARKING, PAVEMENT MARKINGS SHALL ONLY BE APPLIED IN SEASONABLE WEATHER WHEN AIR TEMPERATURE IS 50 DEGREES FARHENHEIT OR HIGHER AND SHALL NOT BE APPLIED WHEN THE WIND OR OTHER CONDITIONS CAUSE A FILD OR DUST TO BE DEPOSITED ON THE PAVEMENT SURFACE AFTER CLEANING AND BEFORE THE MARKING MATERIAL CAN BE APPLIED.

THE FILLING OF TANKS, POURING OF MATERIALS OR CLEANING OF EQUIPMENT SHALL NOT BE PERFORMED ON UNPROTECTED PAVEMENT SURFACES UNLESS ADEQUATE PROVISIONS ARE MADE TO PREVENT SPILLAGE OF MATERIAL.

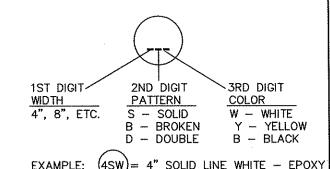
PAVEMENT MARKING QUANTITIES								
Item	Quantity	Units						
4" Solid Line Yellow - Epoxy	970	Lin Ft						
4" Broken Line Yellow - Epoxy (10 ft stripe / 40 ft gap)	1050	Lin Ft						
4" Solid Line White - Ероху	12083	Lin Ft						

### SYMBOLS & MATERIALS LEGEND

- CROSSWALK BLOCK WHITE PREFORMED THERMOPLASTIC
- A PAVEMENT MESSAGE (LEFT ARROW) PREFORMED THERMOPLASTIC

# STRIPING KEY

- CIRCLE EPOXY SQUARE PREFORMED THERMOPLASTIC
- TRIANGLE PAINT
- PENTAGON REMOVABLE PREFORMED PLASTIC MARKING



NO DATE BY CKD APPR REVISION

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HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTAL PRINT NAME:

CHARLES CADENLEAD

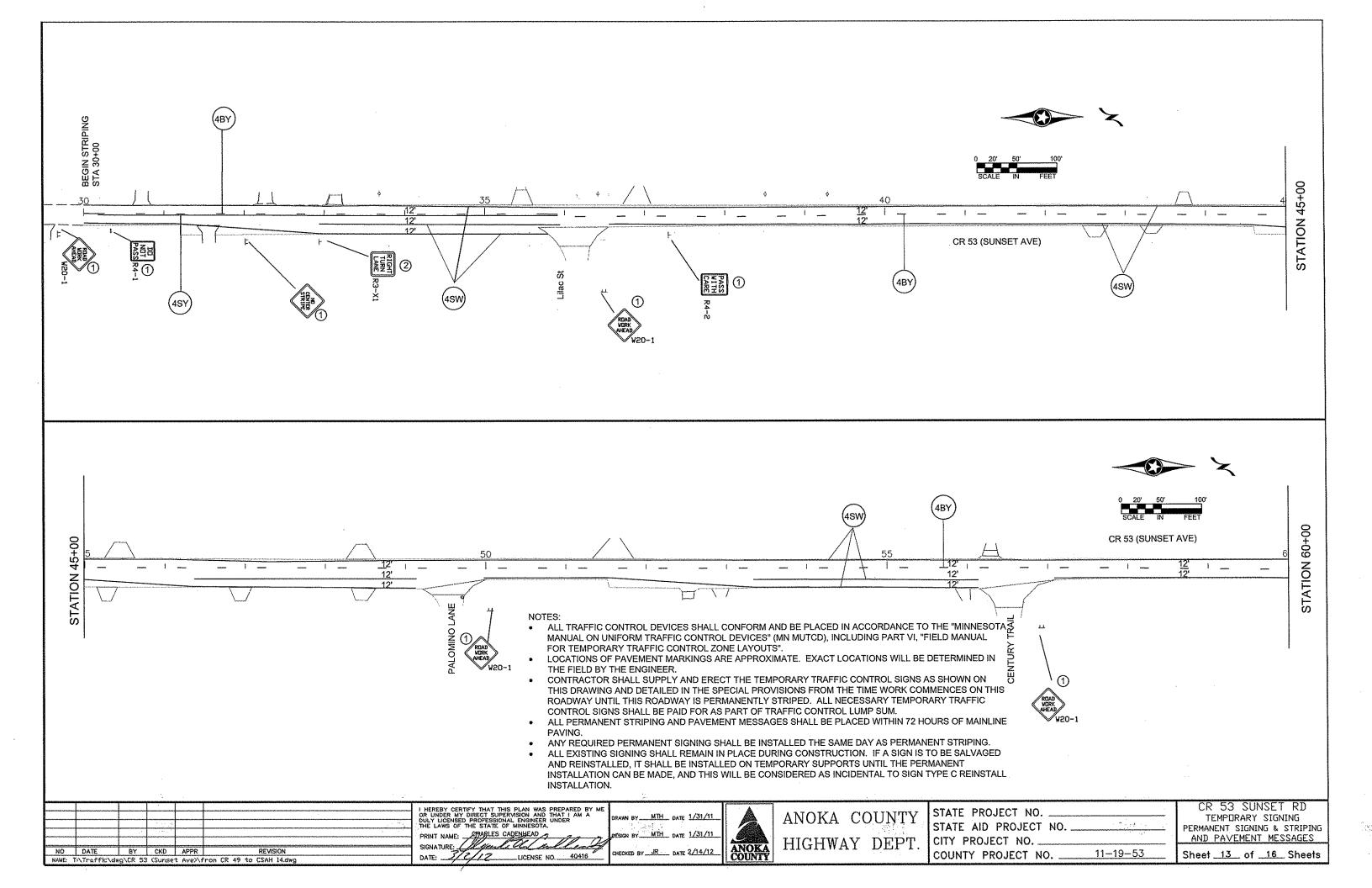
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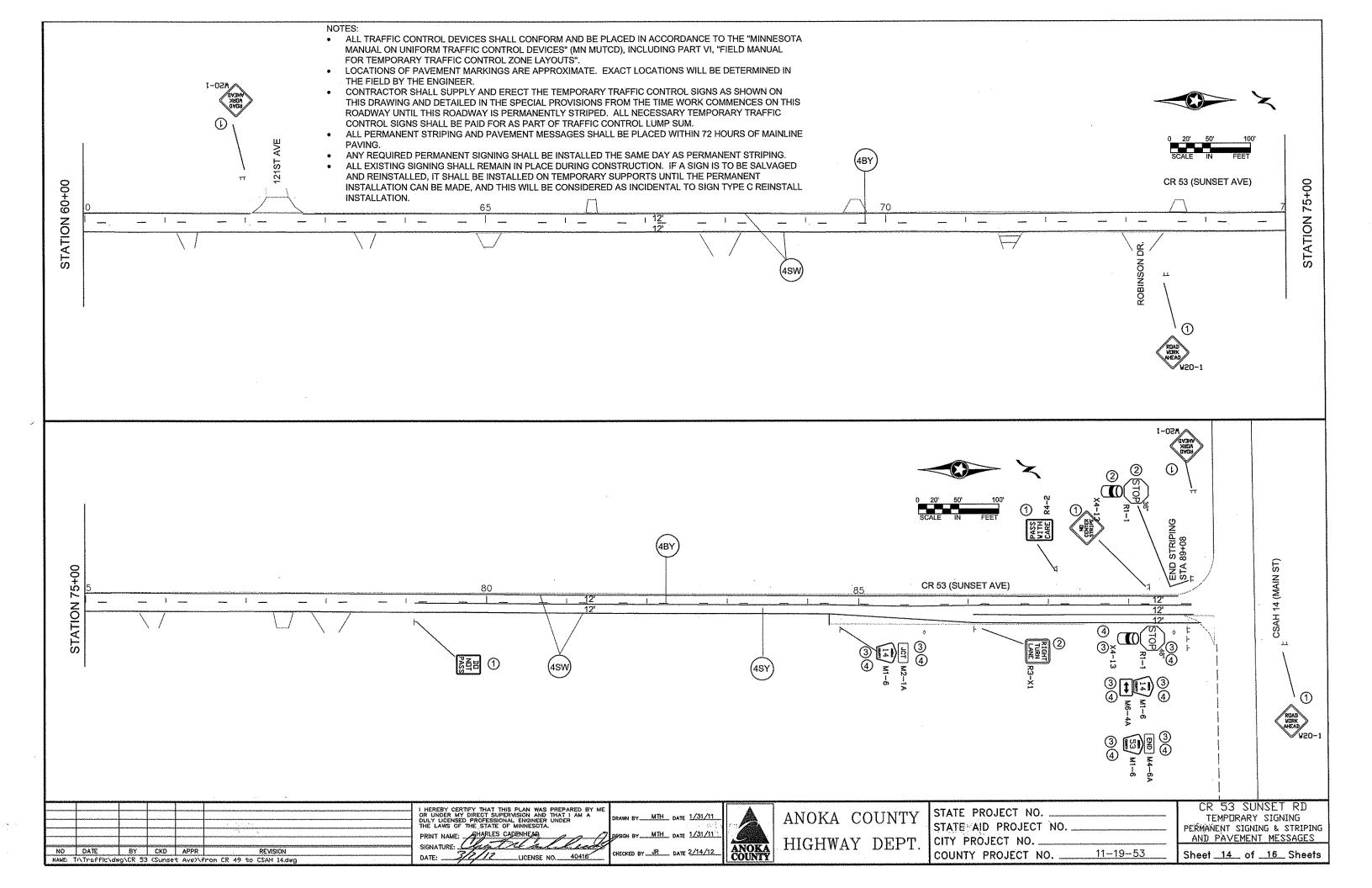


ANOKA COUNTY HIGHWAY DEPT.

STATE PROJECT NO. \_\_\_\_ STATE AID PROJECT NO. \_\_\_ STATE AID PROJECT NO. \_\_\_ COUNTY PROJECT NO. \_\_\_\_11 PERMANENT MARKING TABULATION

Sheet 12 of 16 Sheets





	SALV	AGE & RE-INSTA	ALL PERMANE	INT SIGNS		,
STATION		SALVAGE SIGN TYPEC	INSTALL DELINEATOR	INSTALL SIGN TYPEC	sign Number	NOTES
		EACH	EACH	EACH		
84+40	Rt				M2-1A	
84+40	Rt	1		1	M1-6	
88+50	Lt		1		delineator	
88+50	Rt			4	R1-1	
88+50	Rt.	1		1	delineator	
88+50	Rt	4		4	M1-6	
88+50	Rt	<b>,</b>		1	M6-4A	
88+50	Rt			4	M4-6A	
88+50	Rt	1		1	M1-6	
TOTAL		4	1	4	<u> </u>	<u> </u>

/			PERMANEN	T SI	GŅ		
M.U.T.C.D		FT. <sup>2</sup>	To the state of th		TELENS OF THE PERSON OF THE PE		FT.2
R1-1 x4-13	36" x 36" 8" x 12"	9.00	STOP R1-1	1	2	7.00	9.00
R3 <u>-X1</u>	30" x 30"	6.25	X4-13  RIGHT TURN LANE R3-X:	2	1	7.00	12.50
			T	OTAL	PAN	EL AREA	21.50

#### CENTER STRIPE W8-12 48" x 48" 16.00 2 7.01 2 24" x 30" R4-1 5.00 7.01 PASS WITH CARE R4-R4-2 24" x 30" 5.00 2 7.0' BUMP AHEAD 48" x 48" 16.00 W8-1A AS NEEDED W8-1A W8-1A 48" x 48" 16.00 AS NEEDED W8-1A RDUGH RDAD W8-8 W8-8 48" x 48" 16.00 AS NEEDED UNEVEN LANES W8-11 W8-11 48" x 48" 16.00 AS NEEDED AS NEEDED 48" x 48" 16.00 W20-1 (ESTIMATED 8)

TEMPORARY TRAFFIC CONTROL SIGNS

#### SEE SPECIAL PROVISIONS

- (1) TEMPORARY TRAFFIC CONTROL SIGN
- (2) F&IPERMANENT SIGN
- (3) SALVAGE PERMANENT SIGN
- (4) RE-INSTALL PERMANENT SIGN

#### NOTES

- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE PLACED IN ACCORDANCE TO THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD), INCLUDING PART VI, "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS".
- LOCATIONS OF PAVEMENT MARKINGS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- CONTRACTOR SHALL SUPPLY AND ERECT THE TEMPORARY TRAFFIC CONTROL SIGNS AS SHOWN ON
  THIS DRAWING AND DETAILED IN THE SPECIAL PROVISIONS FROM THE TIME WORK COMMENCES ON THIS
  ROADWAY UNTIL THIS ROADWAY IS PERMANENTLY STRIPED. ALL NECESSARY TEMPORARY TRAFFIC
  CONTROL SIGNS SHALL BE PAID FOR AS PART OF TRAFFIC CONTROL LUMP SUM.
- ALL PERMANENT STRIPING AND PAVEMENT MESSAGES SHALL BE PLACED WITHIN 72 HOURS OF MAINLINE PAVING
- ANY REQUIRED PERMANENT SIGNING SHALL BE INSTALLED THE SAME DAY AS PERMANENT STRIPING.
- ALL EXISTING SIGNING SHALL REMAIN IN PLACE DURING CONSTRUCTION. IF A SIGN IS TO BE SALVAGED
  AND REINSTALLED, IT SHALL BE INSTALLED ON TEMPORARY SUPPORTS UNTIL THE PERMANENT
  INSTALLATION CAN BE MADE, AND THIS WILL BE CONSIDERED AS INCIDENTAL TO SIGN TYPE C REINSTALL
  INSTALLATION.

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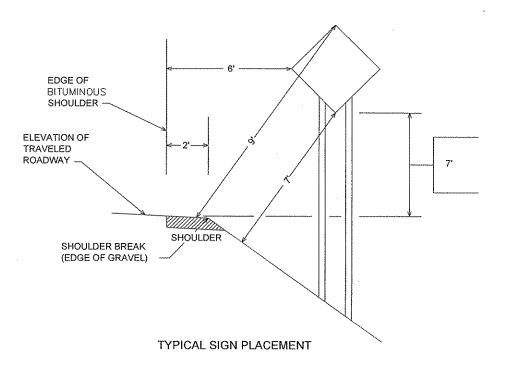


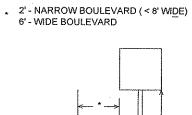
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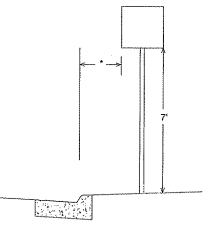
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CITY PROJECT NO. \_\_\_\_\_
COUNTY PROJECT NO. \_\_\_\_\_\_
11-19-53

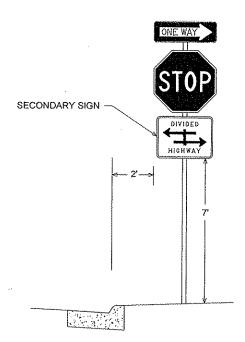
CR 53 SUNSET RD
TEMPORARY SIGNING
PERMANENT SIGNING CONTROL
AND PAVEMENT MESSAGES

Sheet <u>15</u> of <u>16</u> Sheets









TYPICAL SIGN PLACEMENT

#### NOTE:

- ALL DIMENSIONS ARE MINIMUMS
- MAINTAIN 2' CLEAR FROM SIGNS TO BITUMINOUS TRAIL

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HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

5/2/12 LICENSE NO. 40416

DRAWN BY MTH DATE 1-21-11 DESIGN BY MTH DATE 1-21-11



**ANOKA COUNTY** HIGHWAY DEPT.

STATE PROJECT NO. SIGNING & STRIPING DETAILS STATE PROJECT NO. STATE PROJECT NO. 11-19-53 Sheet 16 of 16 Sheets COUNTY PROJECT NO.\_\_\_\_